

Preliminary Amendment
Appln. No.: 10/526,031
Attorney Docket No.: Q86579

Please replace the first paragraph on page ⁴⁰41 with the following amended paragraph:

Then, the abnormal frequency is calculated from the specification of the bearing based on FIG.4 (step S202). Then, the levels of the abnormal frequency components of respective members corresponding to the calculated frequency, i.e., the inner ring flaw component S_i (Z_{fi}), the outer ring flaw component S_o (Z_{fc}), the rolling element flaw component S_b ($2fb$), and the ~~retainer component~~ retainer flaw component S_c (fc) are extracted (step S203). Then, it is decided by comparing the peak frequency with the frequencies generated at the time of abnormality whether or not the peak frequency agrees with the calculated abnormal frequency (step S204). Then, if a certain peak corresponds to the abnormal frequency, it is decided that the abnormality is generated in the member that corresponds to the concerned abnormal frequency (step S206). In contrast, if the peak corresponds to no frequency, it is decided that no abnormality is generated (step S205).

Please replace the paragraph bridging pages 42 and 43 with the following amended paragraph:

In step S312, it is decided whether or not the spectrum value exceeds the reference value at the frequency of the quaternary component that has the quadruple frequency of the fundamental component generated at the time of abnormality. If the spectrum value exceeds the reference value, it is decided that the quaternary components coincide with each other. Then, in step ~~S321~~S322, it is decided finally that the abnormality is generated in the concerned location.

CH
11/29/06